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NOTICE OF ALLOWANCE AND FEE(S) DUE

09629

7590

02/26/2004

MORGAN LEWIS & BOCKIUS LLP 1111 PENNSYLVANIA AVENUE NW WASHINGTON, DC 20004 EXAMINER
LEWIS, MONICA

PAPER NUMBER

ART UNIT

DATE MAILED: 02/26/2004

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/974,817	10/12/2001	Masaharu Muramatsu	046124-5099	8262

TITLE OF INVENTION: SEMICONDUCTOR DEVICE FOR DETECTING WIDE WAVELENGTH RANGES

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	05/26/2004

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status is changed, pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above and notify the United States Patent and Trademark Office of the change in status, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.
- □ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

or Fax (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications. Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1) 09629 02/26/2004 MORGAN LEWIS & BOCKIUS LLP Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below. 1111 PENNSYLVANIA AVENUE NW WASHINGTON, DC 20004 (Depositor's name) (Signature (Date) ATTORNEY DOCKET NO. CONFIRMATION NO. APPLICATION NO. FILING DATE FIRST NAMED INVENTOR 046124-5099 09/974 817 10/12/2001 Masaharu Muramatsu TITLE OF INVENTION: SEMICONDUCTOR DEVICE FOR DETECTING WIDE WAVELENGTH RANGES **PUBLICATION FEE** TOTAL FEE(S) DUE APPLN. TYPE SMALL ENTITY **ISSUE FEE** DATE DUE \$1630 05/26/2004 NO \$1330 nonprovisional ART UNIT CLASS-SUBCLASS **EXAMINER** 2822 257-228000 LEWIS, MONICA 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single $\hfill \Box$ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer attorneys or agents. If no name is listed, no name will be printed. Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category	or categories (will not be printed on the patent);	individual	□ corporation or other private group entity	□ government		
4a. The following fee(s) are enclosed:	4b. Payment of Fee(s):					
☐ Issue Fee	☐ A check in the amo	☐ A check in the amount of the fee(s) is enclosed.				
☐ Publication Fee	☐ Payment by credit of	☐ Payment by credit card. Form PTO-2038 is attached.				
☐ Advance Order - # of Copies	☐ The Director is he Deposit Account Nurr	☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, Deposit Account Number(enclose an extra copy of this form).				
Director for Patents is requested to apply the Iss	ue Fee and Publication Fee (if any) or to re-apply	any previously p	aid issue fee to the application identified abo	ve.		
(Authorized Signature)	(Date)					
NOTE; The Issue Fee and Publication Fee (other than the applicant; a registered attorn interest as shown by the records of the United	if required) will not be accepted from anyone by or agent; or the assignee or other party in States Patent and Trademark Office.					
estimated to take 12 minutes to complete, inc completed application form to the USPTO. case. Any comments on the amount of tin suggestions for reducing this burden, should	37 CFR 1.311. The information is required to h is to file (and by the USPTO to process) an U.S.C. 122 and 37 CFR 1.14. This collection is luding gathering, preparing, and submitting the Time will vary depending upon the individual ne you require to complete this form and/or be sent to the Chief Information Officer, U.S. artment of Commerce, Alexandria, Virginia COMPLETED FORMS TO THIS ADDRESS. dria, Virginia 22313-1450.					
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MORGAN LEWIS & BOCKIUS LLP			LEWIS, MONICA			
	1111 PENNSYLVANIA AVENUE NW WASHINGTON, DC 20004			ART UNIT	PAPER NUMBER	
Wilsimvoro	., 50 500			2822		
				DATE MAILED: 02/26/2004		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (703) 305-1383. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.

Application No.	Applicant(s)	(mo
09/974,817	MURAMATSU, MAS	SAHARU
Examiner	Art Unit	
Monica Lewis	2822	
(OR REMAINS) CLOSED in this ap or other appropriate communication	plication. If not include n will be mailed in due	ed course. THIS
<u>12/15/03</u> .		
of this communication to file a reply ENT of this application. Itted. Note the attached EXAMINER is reason(s) why the oath or declarate to be submitted. It is patent Drawing Review (PTO- Amendment / Comment or in the Comment or in the Comment of the drawing he header according to 37 CFR 1.121(national stage applical complying with the records AMENDMENT or Nation is deficient. -948) attached Office action of the dd.	quirements
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6. ☐ Interview Summary Paper No./Mail Da 8), 7. ☑ Examiner's Amendr	(PTO-413), te ment/Comment	·
	Monica Lewis Monica Lewis Ars on the cover sheet with the coording REMAINS) CLOSED in this apport of the appropriate communication GHTS. This application is subject to and MPEP 1308. Molecular Structure of the service of the communication of the communication of this communication to file a reply ENT of this application. Mote the attached EXAMINER is reason(s) why the oath or declarate to be submitted. Mon's Patent Drawing Review (PTO Amendment / Comment or in the Communication of the declarate to the submitted. Amendment / Comment or in the Communication of the declarate to the submitted. Amendment / Comment or in the Communication of the declarate to the submitted. Amendment / Comment or in the Communication of the declarate to the submitted. Amendment / Comment or in the Communication of the declarate to the submitted. Amendment / Comment or in the Communication of the declarate to the submitted. Amendment / Comment or in the Communication of the declarate to the submitted. Amendment / Comment or in the Communication of the declarate to the submitted. Amendment / Comment or in the Communication of the declarate to the submitted of the submitted	MURAMATSU, MASE ART Unit Monica Lewis 2822 ars on the cover sheet with the correspondence addr OR REMAINS) CLOSED in this application. If not include or other appropriate communication will be mailed in due GHTS. This application is subject to withdrawal from issuland MPEP 1308. 12/15/03. der 35 U.S.C. § 119(a)-(d) or (f). been received. been received in Application No cuments have been received in this national stage application of this application. tted. Note the attached EXAMINER'S AMENDMENT or Now is reason(s) why the oath or declaration is deficient. the submitted. on's Patent Drawing Review (PTO-948) attached Amendment / Comment or in the Office action of B4(c)) should be written on the drawings in the front (not the less header according to 37 CFR 1.121(d). Sit of BIOLOGICAL MATERIAL must be submitted. If FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 5. ☐ Notice of Informal Patent Application (PTO-6.) Interview Summary (PTO-413), Paper No./Mail Date 7. ☑ Examiner's Amendment/Comment 8. ☐ Examiner's Statement of Reasons for Allogentary (PTO-413), Paper No./Mail Date 8. ☐ Examiner's Statement of Reasons for Allogentary (PTO-413), Paper No./Mail Date

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EXAMINER'S AMENDMENT

1. Examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given via telephone by Robert J. Goodell on February 20, 2003.

The application has been amended as follows:

In claim 1, line 21 before "wider energy band", --a-- has been inserted.

In claim 1, line 22 before "a thin shape portion", "being etched so as to form" has been deleted.

In claim 1, line 22 before "a thin shape portion", --forming-- has been inserted.

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Monica Lewis whose telephone number is 703-272-1838.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian can be reached on 703-272-1852. The fax phone number for the organization where this application or proceeding is assigned is 703-308-7722 for regular and after final

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communications. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

ML

February 20, 2004

Mary Wilczewski Primary Examiner